

Author Index

- Alfredsson, G.
—, Branzell, C., Granelli, K. and Lundström, Å.
Simple and rapid screening and confirmation of tetracyclines in honey and egg by a dipstick test and LC–MS/MS 47
- Ambrosio, C., see Civitareale, C. 53
- Andersen, W.C.
—, Roybal, J.E., Gonzales, S.A., Turnipseed, S.B., Pfenning, A.P. and Kuck, L.R.
Determination of tetracycline residues in shrimp and whole milk using liquid chromatography with ultraviolet detection and residue confirmation by mass spectrometry 145
- Andersen, W.C., see Turnipseed, S.B. 159
- André, F., see Pinel, G. 41
- Andre, F., see Antignac, J.-P. 129
- André-Fontaine, G., see Pinel, G. 41
- Antignac, J.-P.
—, de Wasch, K., Monteau, F., De Brabander, H., Andre, F. and Le Bizec, B.
The ion suppression phenomenon in liquid chromatography–mass spectrometry and its consequences in the field of residue analysis 129
- Aranda, A., see Blanca, J. 199
- Ashwin, H., see Ferguson, J. 109
- Ashwin, H.M.
—, Stead, S.L., Taylor, J.C., Startin, J.R., Richmond, S.F., Homer, V., Bigwood, T. and Sharman, M.
Development and validation of screening and confirmatory methods for the detection of chloramphenicol and chloramphenicol glucuronide using SPR biosensor and liquid chromatography–tandem mass spectrometry 103
- Aviat, F., see Pinel, G. 41
- Baak, M.V., see Hoof, N.V. 189
- Backer, P.D., see Cherlet, M. 361
- Backer, P.D., see De Baere, S. 221
- Baere, S.D., see Cherlet, M. 361
- Baert, K., see Croubels, S. 179
- Baert, K., see De Baere, S. 221
- Balzer-Rutgers, P., see Mulder, P.P.J. 331
- Barbosa, J., see Santos, L. 249
- Bartolomé, M., see Muñoz, P. 137
- Battle, N., see Reig, M. 293
- Baxter, A., see Ferguson, J. 109
- Baxter, A., see McGrath, T. 123
- Berendsen, B.J.A., see Mulder, P.P.J. 331
- Bergwerff, A.A., see Scherpenisse, P. 173
- Bibi, R., see Pecorelli, I. 15
- Bienenmann-Ploum, M.
—, Korpimäki, T., Haasnoot, W. and Kohen, F.
Comparison of multi-sulfonamide biosensor immunoassays 115
- Bigwood, T., see Ashwin, H.M. 103
- Bjurling, P., see McGrath, T. 123
- Blanca, J.
—, Muñoz, P., Morgado, M., Méndez, N., Aranda, A., Reuvers, T. and Hooghuis, H.
Determination of clenbuterol, ractopamine and zilpaterol in liver and urine by liquid chromatography tandem mass spectrometry 199
- Blanca, J., see Muñoz, P. 137
- Blokland, M.H.
—, van Rossum, H.J., Herbold, H.A., Sterk, S.S., Stephany, R.W. and van Ginkel, L.A.
Metabolism of methyltestosterone, norethandrolone and methylbolde-
none in a heifer 317
- Bocxlaer, J.F.V.
—, Castele, S.R.V., Poucke, C.J.V. and Peteghem, C.H.V.
Confirmation of the identity of residues using quadrupole time-of-flight
mass spectrometry 65
- Boever, S.D., see De Baere, S. 221
- Bolck, Y.J.C., see Mulder, P.P.J. 331
- Boshuis, P., see Hoof, N.V. 189
- Bovee, T.F.H.
—, Heskamp, H.H., Hamers, A.R.M., Hoogenboom, R.L.A.P. and
Nielen, M.W.F.
Validation of a rapid yeast estrogen bioassay, based on the expression of
green fluorescent protein, for the screening of estrogenic activity in calf
urine 57
- Brabander, H.D., see Hoof, N.V. 265
- Brabander, H.D., see Hoof, N.V. 189
- Brambilla, G.
— and Filippis, S.D.
Trends in animal feed composition and the possible consequences on
residue tests 7
- Brambilla, G., see Civitareale, C. 53
- Brambilla, G., see Fiori, M. 207
- Branzell, C., see Alfredsson, G. 47
- Buon, R., see Pinel, G. 41
- Buterin, T.
—, Koch, C. and Naegeli, H.
Potential application of gene expression fingerprinting for food safety
screening 33
- Cadieu, N., see Gaudin, V. 273
- Campana, G., see Forti, A.F. 257
- Cantwell, H., see Dowling, G. 285
- Castele, S.R.V., see Bocxlaer, J.F.V. 65
- Castilho, M.C., see Santos, L. 249
- Cerkvenik Flajs, V.
—, Grabnar, I., Eržen, N.K., Marc, I., Požgan, U., Gombač, M., Kolar, L.
and Pogačnik, M.
Pharmacokinetics of doramectin in lactating dairy sheep and suckling
lambs 353
- Cherlet, M.
—, Baere, S.D., Croubels, S. and Backer, P.D.
Quantitative determination of dexamethasone in bovine plasma and
tissues by liquid chromatography–atmospheric pressure chemical ion-
ization–tandem mass spectrometry to monitor residue depletion kinetics
361
- Civitareale, C.
—, Ambrosio, C., Sbraccia, M., Fiori, M., Brambilla, G. and Testa, C.
Pharmacological characterization of new β -agonists using Hu β_1 -
and Hu β_2 -adrenergic receptor binding assay in transfected HEK-293
cells 53

- Civitareale, C., see Fiori, M. 207
 Clayton, R.
 — Impact of new legislation on the registration of veterinary drugs 3
 Connolly, L., see Hagren, V. 21
 Courtheyn, D., see Hoof, N.V. 189
 Courtheyn, D., see Poelmans, S. 311
 Croubels, S.
 —, Maes, A., Baert, K. and De Backer, P.
 Quantitative determination of salicylic acid and metabolites in animal tissues by liquid chromatography–tandem mass spectrometry 179
 Croubels, S., see Cherlet, M. 361
 Croubels, S., see De Baere, S. 221
- Daeseleire, E., see Mortier, L. 229
 De Backer, P., see Croubels, S. 179
 De Baere, S.
 —, Wassink, P., Croubels, S., Boever, S.D., Baert, K. and Backer, P.D.
 Quantitative liquid chromatographic–mass spectrometric analysis of amoxicillin in broiler edible tissues 221
 De Brabander, H., see Antignac, J.-P. 129
 De Brabander, H.F., see Poelmans, S. 311
 da Silveira, M.I.N., see Santos, L. 249
 de Wasch, K., see Antignac, J.-P. 129
 de Wiele, M.V., see Hoof, N.V. 189
 Dowling, G.
 —, Cantwell, H., O'Keeffe, M. and Smyth, M.R.
 Multi-residue method for the determination of benzimidazoles in bovine liver 285
 Draaijer, A., see Hoof, N.V. 189
 Dumoulin, F., see Van Poucke, C. 211
- Elliott, C., see Ferguson, J. 109
 Elliott, C.T., see Hagren, V. 21
 Elliott, C.T., see Situ, C. 89
 Eržen, N.K., see Cerkenik Flajs, V. 353
- Ferguson, J.
 —, Baxter, A., Young, P., Kennedy, G., Elliott, C., Weigel, S., Gate-
 mann, R., Ashwin, H., Stead, S. and Sharman, M.
 Detection of chloramphenicol and chloramphenicol glucuronide resi-
 dues in poultry muscle, honey, prawn and milk using a surface plasmon
 resonance biosensor and Qflex[®] kit chloramphenicol 109
 Ferguson, J., see McGrath, T. 123
 Filippis, S.D., see Brambilla, G. 7
 Fiori, M.
 —, Civitareale, C., Mirante, S., Magarò, E. and Brambilla, G.
 Evaluation of two different clean-up steps, to minimise ion suppression
 phenomena in ion trap liquid chromatography–tandem mass spectrom-
 etry for the multi-residue analysis of beta agonists in calves urine 207
 Fiori, M., see Civitareale, C. 53
 Fioroni, L., see Pecorelli, I. 15
 Flajs, V.C., see Pengov, A. 347
 Fletouris, D.J., see Papapanagiotou, E.P. 305
 Fletouris, D.J., see Papapanagiotou, E.P. 325
 Forti, A.F.
 —, Campana, G., Simonella, A., Multari, M. and Scorticini, G.
 Determination of chloramphenicol in honey by liquid chromatography–
 tandem mass spectrometry 257
- Galarini, R., see Pecorelli, I. 15
 García, E., see Muñoz, P. 137
 Gardini, S., see Sangiorgi, E. 239
 Gatermann, R., see Ferguson, J. 109
 Gaudin, V.
 —, Cadieu, N. and Sanders, P.
 Results of a European proficiency test for the detection of streptomycin/
 dihydrostreptomycin, gentamicin and neomycin in milk by ELISA and
 biosensor methods 273
- Geijp, E., see Stead, S. 83
 Gerçek, H., see Mulder, P.P.J. 331
 Gombač, M., see Cerkenik Flajs, V. 353
 Gomez, J., see Muñoz, P. 137
 Gonzales, S.A., see Andersen, W.C. 145
 Gowik, P., see Polzer, J. 299
 Grabnar, I., see Cerkenik Flajs, V. 353
 Granelli, K., see Alfredsson, G. 47
- Haasnoot, W., see Bienenmann-Ploum, M. 115
 Hagren, V.
 —, Connolly, L., Elliott, C.T., Lövgren, T. and Tuomola, M.
 Rapid screening method for halofuginone residues in poultry eggs and
 liver using time-resolved fluorometry combined with the all-in-one dry
 chemistry assay concept 21
 Hamers, A.R.M., see Bovee, T.F.H. 57
 Haughey, S., see McGrath, T. 123
 Hende, J.V., see Hoof, N.V. 189
 Herbold, H.A., see Blokland, M.H. 317
 Heskamp, H.H., see Bovee, T.F.H. 57
 Homer, V., see Ashwin, H.M. 103
 Hoof, N.V.
 —, Schilt, R., van der Vlis, E., Boshuis, P., Baak, M.V., Draaijer, A.,
 Wasch, K.D., de Wiele, M.V., Hende, J.V., Courtheyn, D. and Braban-
 der, H.D.
 Detection of zilpaterol (Zilmax[®]) in calf urine and faeces with liquid
 chromatography–tandem mass spectrometry 189
 Hoof, N.V., see Poelmans, S. 311
 Hoof, N.V.
 —, Wasch, K.D., Okerman, L., Reybroeck, W., Poelmans, S., Noppe, H.
 and Brabander, H.D.
 Validation of a liquid chromatography–tandem mass spectrometric
 method for the quantification of eight quinolones in bovine muscle,
 milk and aquacultured products 265
 Hoogenboom, L.A.P., see Zuidema, T. 339
 Hoogenboom, R.L.A.P., see Bovee, T.F.H. 57
 Hooghuis, H., see Blanca, J. 199
 Hooijerink, H.
 —, Lommen, A., Mulder, P.P.J., van Rhijn, J.A. and Nielen, M.W.F.
 Liquid chromatography–electrospray ionisation-mass spectrometry
 based method for the determination of estradiol benzoate in hair of
 cattle 167
- Igualada, C.
 — and Moragues, F.
 Determination of phenylbutazone and oxyphenbutazone in animal urine
 by ion trap liquid chromatography–mass spectrometry 235
- Janssen, C., see Poelmans, S. 311
- Keestra, N.G.M., see Zuidema, T. 339
 Kennedy, D.G., see Zuidema, T. 339
 Kennedy, G., see Ferguson, J. 109
 Knappstein, K., see Suhren, G. 97
 Koch, C., see Buterin, T. 33
 Kohen, F., see Bienenmann-Ploum, M. 115
 Kolar, L., see Cerkenik Flajs, V. 353
 Kootstra, P.R.
 —, Kuipers, C.J.P.F., Wubs, K.L., van Doorn, D., Sterk, S.S., van
 Ginkel, L.A. and Stephany, R.W.
 The analysis of beta-agonists in bovine muscle using molecular
 imprinted polymers with ion trap LCMS screening 75
 Korpimäki, T., see Bienenmann-Ploum, M. 115
 Kuck, L.R., see Andersen, W.C. 145
 Kuck, L.R., see Turnipseed, S.B. 159

- Kuijpers, C.J.P.F., see Kootstra, P.R. 75
- Larré, C., see Pinel, G. 41
- Le Bizec, B., see Antignac, J.-P. 129
- Le Bizec, B., see Pinel, G. 41
- Lommen, A., see Hooijerink, H. 167
- Lundström, Å., see Alfredsson, G. 47
- Lövgren, T., see Hagren, V. 21
- Lövgren, T., see Peippo, P. 27
- Maes, A., see Croubels, S. 179
- Magaró, E., see Fiori, M. 207
- Makeswaran, S.
- , Patterson, I. and Points, J.
 - An analytical method to determine conjugated residues of ceftiofur in milk using liquid chromatography with tandem mass spectrometry 151
- Marc, I., see Cerkenik Flajs, V. 353
- Marinšek, J., see Pengov, A. 347
- Martín de Pozuelo, M., see Muñoz, P. 137
- McGrath, T.
- , Baxter, A., Ferguson, J., Haughey, S. and Bjurling, P.
 - Multi sulfonamide screening in porcine muscle using a surface plasmon resonance biosensor 123
- Méndez, N., see Muñoz, P. 137
- Mirante, S., see Fiori, M. 207
- Méndez, N., see Blanca, J. 199
- Monteau, F., see Antignac, J.-P. 129
- Moragues, F., see Igualada, C. 235
- Morgado, M., see Blanca, J. 199
- Mortier, L.
- , Daeseleire, E. and Peteghem, C.V.
 - Determination of the coccidiostat diclazuril in poultry feed and meat by liquid chromatography–tandem mass spectrometry 229
- Mulder, P.P.J.
- , Balzer-Rutgers, P., te Brinke, E.M., Bolck, Y.J.C., Berendsen, B.J.A., Gerçek, H., Schat, B. and van Rhijn, J.A.
 - Deposition and depletion of the coccidiostats toltrazuril and halofuginone in eggs 331
- Mulder, P.P.J., see Hooijerink, H. 167
- Mulder, P.P.J., see Zuidema, T. 339
- Multari, M., see Forti, A.F. 257
- Muñoz, P.
- , Blanca, J., Ramos, M., Bartolomé, M., García, E., Méndez, N., Gomez, J. and Martín de Pozuelo, M.
 - A versatile liquid chromatography–tandem mass spectrometry system for the analysis of different groups of veterinary drugs 137
- Muñoz, P., see Blanca, J. 199
- Naegeli, H., see Buterin, T. 33
- Navarro, J.L., see Reig, M. 293
- Nielen, M.W.F., see Bovee, T.F.H. 57
- Nielen, M.W.F., see Hooijerink, H. 167
- Noppe, H., see Hoof, N.V. 265
- Noppe, H., see Poelmans, S. 311
- O'Keeffe, M., see Dowling, G. 285
- Okerman, L., see Hoof, N.V. 265
- Papapanagiotou, E.P.
- , Fletouris, D.J. and Psomas, E.I.
 - Effect of various heat treatments and cold storage on sulphamethazine residues stability in incurred piglet muscle and cow milk samples 305
- Papapanagiotou, E.P.
- , Fletouris, D.J. and Psomas, I.E.
 - Sulphamethazine residue depletion study in piglets after oral administration 325
- Patterson, I., see Makeswaran, S. 151
- Pecorelli, I.
- , Bibi, R., Fioroni, L., Piersanti, A. and Galarini, R.
 - Sulfonamides residues analysis: evaluation of results dispersion at maximum residual limit by the expanded uncertainty and 2002/657/EC decision limit approaches 15
- Peippo, P.
- , Lövgren, T. and Tuomola, M.
 - Rapid screening of narasin residues in poultry plasma by time-resolved fluorimmunoassay 27
- Pengov, A.
- , Flajs, V.C., Zadnik, T., Marinšek, J. and Pogačnik, M.
 - Distribution of chloramphenicol residues in lactating cows following an external application 347
- Peteghem, C.H.V., see Bocxlaer, J.F.V. 65
- Peteghem, C.V., see Mortier, L. 229
- Pfenning, A.P., see Andersen, W.C. 145
- Piersanti, A., see Pecorelli, I. 15
- Pinel, G.
- , Buon, R., Aviat, F., Larré, C., André-Fontaine, G., André, F. and Le Bizec, B.
 - Recombinant bovine somatotropin misuse in cattle. Evaluation of Western blotting and 2D electrophoresis methods on biological samples for the demonstration of its administration 41
- Poelmans, S., see Hoof, N.V. 265
- Poelmans, S.
- , Wasch, K.D., Courtheyn, D., Hoof, N.V., Noppe, H., Janssen, C. and De Brabander, H.F.
 - The study of some new anabolic drugs by metabolism experiments with *Neomysis integer* 311
- Požgan, U., see Cerkenik Flajs, V. 353
- Pogačnik, M., see Cerkenik Flajs, V. 353
- Pogačnik, M., see Pengov, A. 347
- Points, J., see Makeswaran, S. 151
- Polignano, V., see Sangiorgi, E. 239
- Polzer, J.
- and Gowik, P.
 - Nitroimidazoles in turkey muscle—the influence of sampling conditions on measurement results in residue control 299
- Poucke, C.J.V., see Bocxlaer, J.F.V. 65
- Psomas, E.I., see Papapanagiotou, E.P. 305
- Psomas, I.E., see Papapanagiotou, E.P. 325
- Ramos, F., see Santos, L. 249
- Ramos, M., see Muñoz, P. 137
- Reig, M.
- , Batlle, N., Navarro, J.L. and Toldrá, F.
 - Stability of β -agonist methyl boronic derivatives before gas chromatography–mass spectrometry analysis 293
- Reuvers, T., see Blanca, J. 199
- Reybroeck, W., see Hoof, N.V. 265
- Ribeiro, C.A.F., see Santos, L. 249
- Richmond, S., see Stead, S. 83
- Richmond, S.F., see Ashwin, H.M. 103
- Roybal, J.E., see Andersen, W.C. 145
- Roybal, J.E., see Turnipseed, S.B. 159
- Sanders, P., see Gaudin, V. 273
- Sangiorgi, E.
- , Polignano, V. and Gardini, S.
 - Boldenone and related hormones quantification by liquid chromatography–mass spectrometry in urine and faeces after calf administration of boldenone undecanoate 239
- Santos, L.
- , Barbosa, J., Castilho, M.C., Ramos, F., Ribeiro, C.A.F. and da Silveira, M.I.N.
 - Determination of chloramphenicol residues in rainbow trouts by gas chromatography–mass spectrometry and liquid chromatography–tandem mass spectrometry 249

- Sbraccia, M., see Civitareale, C. 53
Schat, B., see Mulder, P.P.J. 331
Schat, B., see Zuidema, T. 339
Scherpenisse, P.
— and Bergwerff, A.A.
Determination of residues of malachite green in finfish by liquid chromatography tandem mass spectrometry 173
Schilt, R., see Hoof, N.V. 189
Scortichini, G., see Forti, A.F. 257
Sharman, M., see Ashwin, H.M. 103
Sharman, M., see Ferguson, J. 109
Sharman, M., see Stead, S. 83
Simonella, A., see Forti, A.F. 257
Situ, C.
— and Elliott, C.T.
Simultaneous and rapid detection of five banned antibiotic growth promoters by immunoassay 89
Smyth, M.R., see Dowling, G. 285
Stark, J., see Stead, S. 83
Startin, J.R., see Ashwin, H.M. 103
Stead, S.
—, Richmond, S., Sharman, M., Stark, J. and Geijp, E.
A new approach for detection of antimicrobial drugs in food. Premi[®]
Test coupled to scanner technology 83
Stead, S., see Ferguson, J. 109
Stead, S.L., see Ashwin, H.M. 103
Stephany, R.W.
—
Preface 1
Stephany, R.W., see Blokland, M.H. 317
Stephany, R.W., see Kootstra, P.R. 75
Serk, S.S., see Blokland, M.H. 317
Serk, S.S., see Kootstra, P.R. 75
Suhren, G.
— and Knappstein, K.
Detection of colistin in spiked and incurred milk samples by LC- and ELISA-technique 97
Taylor, J.C., see Ashwin, H.M. 103
te Brinke, E.M., see Mulder, P.P.J. 331
Testa, C., see Civitareale, C. 53
Toldrá, F., see Reig, M. 293
Tuomola, M., see Hagren, V. 21
Tuomola, M., see Peippo, P. 27
Turnipseed, S.B.
—, Roybal, J.E., Andersen, W.C. and Kuck, L.R.
Analysis of avermectin and moxidectin residues in milk by liquid chromatography-tandem mass spectrometry using an atmospheric pressure chemical ionization/atmospheric pressure photoionization source 159
Turnipseed, S.B., see Andersen, W.C. 145
van Doorn, D., see Kootstra, P.R. 75
van Ginkel, L.A., see Blokland, M.H. 317
van Ginkel, L.A., see Kootstra, P.R. 75
Van Peteghem, C., see Van Poucke, C. 211
Van Poucke, C.
—, Dumoulin, F. and Van Peteghem, C.
Detection of banned antibacterial growth promoters in animal feed by liquid chromatography-tandem mass spectrometry: optimisation of the extraction solvent by experimental design 211
van Rhijn, J.A., see Hooijerink, H. 167
van Rhijn, J.A., see Mulder, P.P.J. 331
van der Vlis, E., see Hoof, N.V. 189
van Rhijn, J.A., see Zuidema, T. 339
van Rossum, H.J., see Blokland, M.H. 317
Wasch, K.D., see Hoof, N.V. 265
Wasch, K.D., see Hoof, N.V. 189
Wasch, K.D., see Poelmans, S. 311
Wassink, P., see De Baere, S. 221
Weigel, S., see Ferguson, J. 109
Wubs, K.L., see Kootstra, P.R. 75
Young, P., see Ferguson, J. 109
Zadnik, T., see Pengov, A. 347
Zuidema, T.
—, Mulder, P.P.J., van Rhijn, J.A., Kestra, N.G.M., Hoogenboom, L.A.P., Schat, B. and Kennedy, D.G.
Metabolism and depletion of nifursol in broilers 339

